

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-131182

(43)Date of publication of application : 01.05.1992

(51)Int.Cl.

C02F 1/44

B01D 65/02

C02F 3/12

C02F 9/00

(21)Application number : 02-248836

(71)Applicant : EBARA INFILCO CO LTD
EBARA RES CO LTD

(22)Date of filing : 20.09.1990

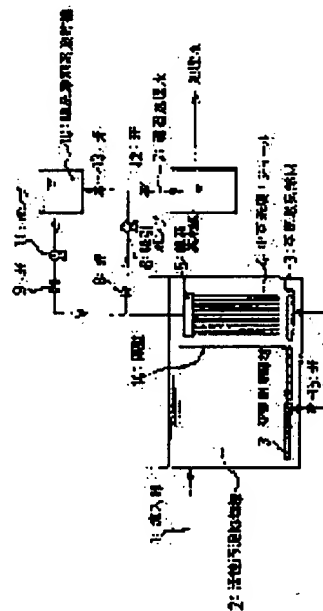
(72)Inventor : KATAOKA KATSUYUKI

(54) BIOLOGICAL TREATING DEVICE FOR ORGANIC POLLUTED WATER

(57)Abstract:

PURPOSE: To permit a chemical washing to be effected with a membrane module set in a treating chamber by forming the structure of a treating tank of a treating tank, a membrane module immersed in the treating device, a filter means for passing a liq. from the outer surface of the membrane into the interior thereof and a washing means for force feeding a cleaning solution into the membrane.

CONSTITUTION: To effect a chemical washing, a liq. is force fed by a pump 11 from a membrane cleaning solution tank 10 into a hollow fiber modulus 4 with a hollow fiber membrane immersed in a treating tank 2. The membrane cleaning solution runs through a filter liq. collecting part 5 into the individual hollow fibers and passes from the interior of the hollow membrane to the outer surface thereof. At this time, the contaminants adsorbed on the outer surface of the hollow fiber membrane come in contact with the cleaning solution, reacts chemically therewith and is separated and removed therefrom. This method permits the contaminants on the outer surface of the membrane to be washed off effectively with the hollow fiber membrane immersed in the treating tank.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office